



Knowing the Code

Information Technology occupations are some of the most in-demand occupations in Missouri. Computer and mathematical occupations employed more than 86,000 people with an average wage of \$82,040 in 2020 (2020 Occupational Employment and Wage Statistics estimates). Employment in Information Technology occupations is projected to grow 13.35 percent from 2018-2028 (MERIC Long-Term Employment Projections).

From March 1, 2021, to February 28, 2022, there were over 60,000 online job ads for computer and mathematical occupations (Emsi Burning Glass Technologies). Software development and programming skills are highly valued in these occupations. The majority of job ads for these occupations requested proficiency in various computer programming languages. Top requested programming languages include SQL, Java, and Python. These language skills are also most commonly found in job ads for Software Developers and Database Administrators.

Top 20 Software and Programming Skills Requested in IT Occupations		
Skill	Skill Cluster	Online Job Ads
SQL	SQL Databases and Programming	13,690
Software Development	Software Development Principles	11,500
Java	Java	10,210
Software Engineering	Software Development Principles	9,090
Python	Scripting Languages	8,350
JavaScript	JavaScript and jQuery	6,980
Linux	Operating Systems	5,540
Oracle	Oracle	5,250
Git	Version Control	5,010
Scrum	Software Development Principles	4,970
Microsoft C#	Microsoft Development Tools	4,760
Agile Development	Software Development Principles	4,190
Atlassian JIRA	Software Quality Assurance	3,770
SQL Server	SQL Databases and Programming	3,220
.NET	Microsoft Development Tools	2,690
Systems Development Life Cycle (SDLC)	System Design and Implementation	2,660
Debugging	Programming Principles	2,630
C++	C and C++	2,620
UNIX	Operating Systems	2,600
Microsoft Azure	Cloud Solutions	2,550

Source: EMSI Burning Glass/Labor Insight, online job ads Mar. 1, 2021 - Feb. 28, 2022

Who's Hiring?

Top Industries		
NAICS Code	Industry Title	Job Postings
541	Professional, Scientific, and Technical Services	8,740
522	Credit Intermediation and Related Activities	3,020
336	Transportation Equipment Manufacturing	2,930
524	Insurance Carriers and Related Activities	2,540
523	Securities, Commodity Contracts, & Other Financial Investments	1,740
611	Educational Services	1,550
622	Hospitals	1,120
511	Publishing Industries (except Internet)	1,010
561	Administrative and Support Services	960
928	National Security and International Affairs	870

Source: EMSI Burning Glass/Labor Insight, online job ads Mar. 1, 2021 - Feb. 28, 2022

Top Employers
The Boeing Company
Deloitte
Edward Jones
MasterCard Worldwide
Accenture
Cerner Corporation
Humana
Wells Fargo
Technology Partners
Charter Communications

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Industries with the most job postings for Information Technology occupations included Professional, Scientific, & Technical Services and Credit Intermediation & Related Activities. The employer with the most job postings was Boeing, followed by Deloitte and Edward Jones.

Skill Profile

Linux is a family of open-source Unix-like operating system based on the Linux kernel. An operating system is the software that directly manages a system's hardware and resources. Linux is an open-source software, meaning the code used to create Linux is free and available to the public to view and edit. Users can use Linux to design their own custom operating systems. Linux is most commonly requested in job ads for Software Developers and Computer Systems Engineers. Employers requesting Linux in online job ads include Boeing, Edward Jones, and MasterCard.

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